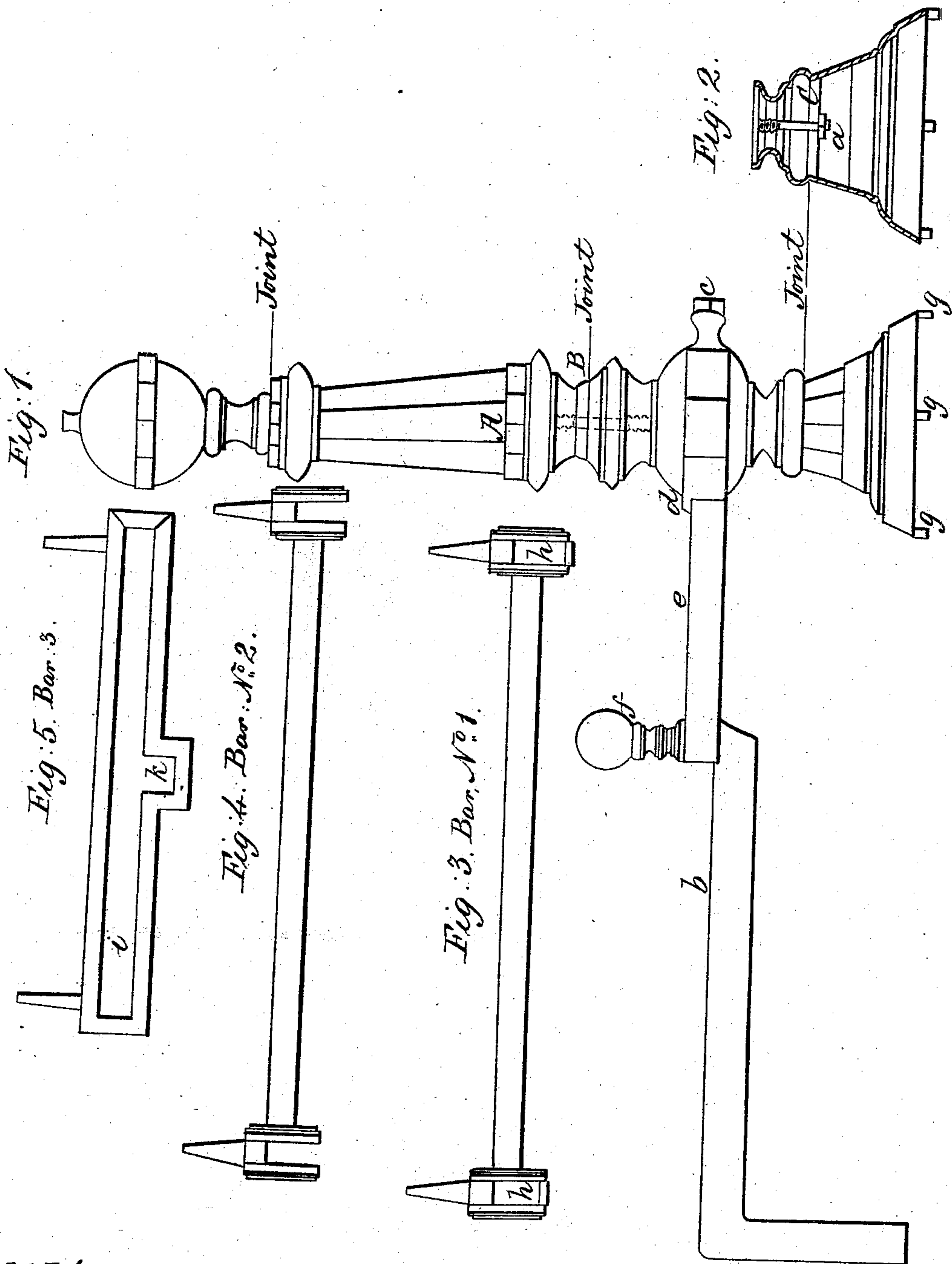


E. SMYLIE.

Fire Dog.

No. 3,170.

Patented July 12, 1843.



Witnesses.  
Jm. Eagleson  
H. R. Swell

Inventor.  
Edward Smylie



# UNITED STATES PATENT OFFICE.

EDWARD SMYLIE, OF NEW YORK, N. Y.

## CONSTRUCTION OF ANDIRONS.

Specification of Letters Patent No. 3,170, dated July 12, 1843.

*To all whom it may concern:*

Be it known that I, EDWARD SMYLIE, of the city, county, and State of New York, have invented certain new and useful Improvements in the Mode of Constructing Andirons; and I do hereby declare that the following is a full, clear, and exact description of the same with regard to their construction and operation, reference being had to the annexed drawing, making a part of this specification, wherein—

Figure 1 is a side elevation of the andiron. Fig. 2 is a cross section of the foot of the pedestal of the andiron, showing the manner by which it is constructed, which will be hereafter described. Fig. 3 is a side elevation of safety bar, No. 1, to be hereafter described. Fig. 4 is the side elevation of safety bar No. 2, to be hereafter described, and Fig. 5 is the side elevation of safety bar No. 3, to be hereafter described.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

Fig. 1, A is the pedestal of the andiron made and cast in separate parts and adjusted in place by short spears with a screw, on either end, screwing into the solid metal, cast with the piece, a small distance from the mouth of the casting shown by dotted lines in one joint B, except at the foot, as represented in Fig. 2, where it is connected by the bolt *a*, where the flanch of the bolt coming in contact with the metal cross piece C, serves the same purpose as the screw in the other parts. *b* is the horse of the andiron passing into and through the pedestal, and made fast by a nut *c*, screwed on a screw at the end of the horse. *d* is a lip cast solid with the pedestal to hold the

casing *e* of the horse fast down by being placed underneath the lip, and at the other end is made fast by the screw knob *f*. *g g* are the studded pins to prevent the andirons from rocking and likewise to preserve the pedestal from damage by the hearth. Fig. 3 is the safety bar No. 1 with an eye *h* at either end for the heel of the horse to pass through and being brought on the top of the horse prevents the possibility of the andiron upsetting and causing damage by embers being thrown on the hearth or burning children even by the falling of the hot irons, an occurrence not infrequent by the old method of constructing andirons. Fig. 4 No. 2 is a similar bar intended to answer the same purpose as the one before described but is constructed without the cross piece forming the eye, enabling it to be dropped on the top of the horse. Fig. 5, bar No. 3, is a similar bar intended to answer the same purposes as the ones before described, but is constructed with the opening *i* so as to allow the horses of the andirons to be placed at any convenient distance apart, at the same time keeping them perfectly steady. The small recess R in middle of said bar at the bottom is intended to admit the heel of the horse previous to the horse entering the slide or opening.

What I claim as my improvements and desire to secure by Letters Patent is—

The combination of the safety bars with the andirons as the whole is set forth and described.

EDWARD SMYLIE.

Witnesses:

H. R. SERRELL,  
JOHN S. NORRIS,